

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Joseph Oriti on Friday, September 10, 2010.

IN THE CLAIMS

Please **AMEND** claims 1, 3-4, 11-21, 23, 28-31 without prejudice or disclaimer.

Please **AMEND** claims as follow:

1. (Currently Amended) A system for transport agnostic pull mode messaging comprising:
 - a plurality of first clients of a user, each first client for sending a corresponding first message to a corresponding first adapter using a corresponding first communication protocol, receiving a corresponding response from the corresponding first adapter using the corresponding first communication protocol indicating that the corresponding first message was received, and resending the corresponding first message to the corresponding first adapter using the corresponding first communication protocol if the response from the corresponding first adapter is not received within a predetermined time period, the corresponding first message being destined for a common server engine, specifying particular ones of electronic communications to the user as already received and stored by the common server engine, and also specifying an endpoint comprising another, differing first client of the user;
 - the corresponding first adapter for each first client, each corresponding first adapter receiving the corresponding first message and sending the response to the

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corresponding first client using the corresponding first communication protocol indicating that the corresponding first message was received, generating a corresponding second message based on the corresponding first message, and sending the corresponding second message to the common server engine using a common second communication protocol;

the common server engine for:

receiving each corresponding second message and executing at least one instruction based on the received corresponding second message, the at least one executed instruction including a query derived from the corresponding second message for the particular ones of electronic communications to the user as specified in the corresponding first message and as already received and stored by the common server engine[[,]];

~~the common server engine for~~ retrieving from a storage device the particular ones of the electronic communications to the user according to the query and sending the retrieved electronic communications to the endpoint as specified in the corresponding first message, the endpoint being identified by the user in the corresponding first message by way of an identifier of the endpoint[[,]]; and

~~the common server engine for~~ determining the endpoint from the identifier thereof from the corresponding second message and storing the retrieved electronic communications in a queue corresponding to the determined endpoint, the determined endpoint accessing the queue and pulling the stored electronic communications therefrom; and

a message storage for storing data associated with each corresponding second message,

the corresponding first communication protocol corresponding to each corresponding first client being different from the first communications protocol corresponding to every other first client, each corresponding first adapter being constructed to communicate with the corresponding first client according to the corresponding and differing first ~~communication~~ communication protocol, every first adapter being constructed to communicate with the common server engine according to the common second communication protocol, each corresponding first adapter being local to the common server engine and remote from the corresponding first client.

3. (Currently Amended) The system of claim 1, wherein the at least one instruction comprises an instruction for storing data associated with the corresponding second message in a storage device.

4. (Currently Amended) The system of claim 3, wherein one of the server engine and the adapter determines if the corresponding second message is a duplicate message already stored, and if so, rejects the corresponding second message.

11. (Currently Amended) The system of claim 1, wherein the first client generates the corresponding first message prior to sending the corresponding first message, the corresponding first message comprising a unique message identifier.

12. (Currently Amended) The system of claim 1, wherein the corresponding first adapter or the common server engine determines if the received corresponding first message is a duplicate of an already received message.

13. (Currently Amended) The system of claim 1, wherein the first client device generates a first client device specific unique identifier corresponding to the corresponding first message, stores the first client specific identifier, and sends the first client device specific identifier along with the corresponding first message to the corresponding first adapter.

14. (Currently Amended) The system of claim 1, wherein the response comprises a first client specific unique message identifier, and the first client verifies that the received response comprising the first client device specific identifier corresponds to a stored first client device specific identifier.

15. (Currently Amended) The system of claim 1, wherein the corresponding first communication protocol is different from the common second communication protocol.

16. (Currently Amended) The system of claim 2, wherein the common second communication protocol is different from the third communication protocol.

17. (Currently Amended) The system of claim 2, wherein the third communication protocol is different from the corresponding first communication protocol.

18. (Currently Amended) A method for transport agnostic pull mode messaging comprising, with respect to each of a plurality of clients of a user:

- sending a corresponding first message from a first client of the user to a corresponding adapter using a corresponding first communication protocol, the corresponding first message being destined for a common server engine, specifying particular ones of electronic communications to the user as already received and stored by the common server engine, and also specifying an endpoint comprising another, differing first client of the user;
- receiving the corresponding first message at the corresponding adapter;
- sending a response to the corresponding first message from the corresponding adapter to the first client using the corresponding first communication protocol, the response to the corresponding first message indicating that the corresponding first message was received;

receiving the response to the corresponding first message at the first client;
resending the corresponding first message from the first client to the corresponding adapter if the response to the corresponding first message from the corresponding adapter is not received at the first client within a predetermined time period;

generating a corresponding second message at the corresponding adapter based on and corresponding to the corresponding first message;

sending the corresponding second message from the corresponding adapter to the common server engine using a common second communication protocol; and

executing at least one instruction at the common server engine based on the corresponding second message, the at least one executed instruction including a query derived from the corresponding second message for the particular ones of electronic communications to the user as specified in the corresponding first message and as already received and stored by the common server engine, the at least one executed instruction retrieving from a storage device the particular ones of the electronic communications to the user according to the query and sending the retrieved electronic communications to the endpoint as specified in the corresponding first message, the endpoint being identified by the user in the corresponding first message by way of an identifier of the endpoint, the common server engine for determining the endpoint from the identifier thereof from the corresponding second message and storing the retrieved electronic communications in a queue corresponding to the determined endpoint, the determined endpoint accessing the queue and pulling the stored electronic communications therefrom;

the corresponding first communication protocol corresponding to each client being different from the corresponding first communications protocol corresponding to every other client, each corresponding adapter being constructed to communicate with the corresponding client according to the corresponding and differing first communication ~~communication~~ protocol, every adapter being constructed to communicate with the common server engine according to the common second communication

protocol, each corresponding adapter being local to the common server engine and remote from the corresponding client.

19. (Currently Amended) The method of claim 18, wherein the corresponding first communication protocol is different from the common second communication protocol.

20. (Currently Amended) The method of claim 18, wherein executing the at least one instruction comprises storing data associated with the corresponding second message in a storage device.

21. (Currently Amended) The method of claim 20, wherein storing the data in the storage device comprises:

determining if the corresponding second message is a duplicate message already stored; and

rejecting the corresponding second message if it is a duplicate.

23. (Original) The method of claim 22, wherein the endpoint is associated with the first client.

28. (Currently Amended) The method of claim 18, further comprising generating the corresponding first message prior to sending the corresponding first message, the corresponding first message comprising a unique message identifier.

29. (Currently Amended) The method of claim 18, further comprising determining at the corresponding adapter or the common server engine if the received corresponding first message is a duplicate of an already received message.

30. (Currently Amended) The method of claim 18, wherein sending the corresponding first message from the first client to the corresponding adapter comprises:

generating a client specific unique identifier corresponding to the corresponding first message;

storing the client specific unique identifier; and

sending the client specific unique identifier along with the corresponding first message to the corresponding adapter.

31. (Currently Amended) The method of claim 18, wherein the response comprises a client specific unique message identifier, and further comprising verifying the received response comprising the client specific unique identifier corresponds to a stored client specific unique identifier.

Allowable Subject Matter

Claims 1-7, 11-24, 28-31 are allowed in view of the cited prior art of record and the prosecution history of the instant application, from which the reasons for allowance are clear.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BARBARA N. BURGESS whose telephone number is (571)272-3996. The examiner can normally be reached on M-F (8:00am-4:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (571) 272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Barbara N Burgess
Examiner
Art Unit 2457

September 12, 2010

/Barbara N Burgess/

Examiner, Art Unit 2457